

Robert Greene Sterne
Edward J. Kessler
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Gene G. Durkin
Michele A. Cimbala
Michael B. Ray
Robert E. Sokohl
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
John M. Covert
Linda E. Alcorn
Robert C. Millonig
Lawrence B. Bugalsky
Donald J. Featherstone
Michael V. Messinger

Judith U. Kim
Timothy J. Shea, Jr.
Patrick E. Garrett
Jeffrey T. Helvey
Heidi L. Kraus
Albert L. Ferro
Donald R. Banowitz
Peter A. Jackman
Teresa J. Medler
Jeffrey S. Weaver
Kendrick P. Patterson
Vincent L. Capuano
Eldora Ellison Floyd
Thomas C. Fiala
Brian J. Del Buono
Virgil Lee Beaton
Theodore A. Wood
Elizabeth J. Haanes

Joseph S. Ostroff
Frank R. Cottingham
Christine M. Lhulier
Rae Lynn P. Guest
George S. Bardmesser
Daniel A. Klein
Jason D. Eisenberg
Michael D. Specht
Andrea J. Kamage
Tracy L. Muller
LuAnne M. DeSantis
Ann E. Summerfield
Aric W. Ledford
Helene C. Carlson
Timothy A. Doyle
Gaby L. Longworth
Lori A. Gordon
Nicole D. Dretar

Ted J. Ebersole
Jyoti C. Iyer
Laura A. Vogel
Registered Patent Agents*
Karen R. Markowicz
Nancy J. Leith
Matthew J. Dowd
Aaron L. Schwartz
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Teresa A. Colella
Jeffrey S. Lundgren
Victoria S. Rutherford
Michelle K. Holoubek
Robert H. DeSelms
Simon J. Elliott

Julie A. Heider
Mita Mukherjee
Scott M. Woodhouse
Michael G. Penn
Christopher J. Walsh

Of Counsel
Kenneth C. Bass III
Evan R. Smith
Marvin C. Guthrie

*Admitted only in Maryland
*Admitted only in Virginia
•Practice Limited to
Federal Agencies

November 16, 2004

WRITER'S DIRECT NUMBER:
(202) 772-8675

INTERNET ADDRESS:
JHELVEY@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Mail Stop Issue Fee

Re: Allowed U.S. Utility Patent Application
Appl. No. 09/525,615; Filed: March 14, 2000
For: **Method, System and Apparatus for Balanced Frequency Up-
Conversion of a Baseband Signal and 4-Phase Receiver and
Transceiver**

Inventors: Sorrells *et al.*
Our Ref: 1744.0450003

Sir:

In response to the **Notice of Allowance and Issue Fee Due** dated August 18, 2004, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office:

1. Issue Fee Transmittal (Form PTOL-85B);
2. Fee Transmittal (Form PTO/SB/17);
3. Amendment Under 37 C.F.R. § 1.312;
4. Letter to the Draftsman;
5. 144 sheets of formal drawings, approval of which is respectfully requested;
6. Return postcard; and
7. PTO-2038 Credit Card Payment Form for \$1,373.00 to cover:
\$1,370.00 Issue Fee; and
\$ 3.00 Advance copies of patent.

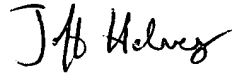
Commissioner for Patents
November 16, 2004
Page 2

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Respectfully submitted,

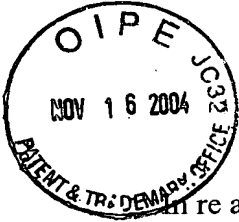
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey T. Helvey
Attorney for Applicants
Registration No. 44,757

Enclosures

JTH/agj
332437_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells *et al.*

Appl. No.: 09/525,615

Filed: March 14, 2000

**For: Method, System and Apparatus for
Balanced Frequency Up-
Conversion of a Baseband Signal
and 4-Phase Receiver and
Transceiver**

Confirmation No.: 7843

Art Unit: 2631

Examiner: Phu, Phuong M.

Atty. Docket: 1744.0450003

Letter to PTO Draftsman: Submission of Formal Drawings

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

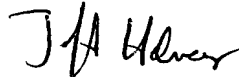
Submitted herewith are one-hundred forty-four (144) sheets of formal drawings with Figures 1A, 1B, 1C, 1D, 2A, 2B, 3, 4, 5, 6A, 6B, 6C, 6D, 6E, 6F, 6G, 6H, 6I, 7, 8, 9, 10, 11, 12, 13, 14, 15A, 15B, 15C, 15D, 15E, 15F, 16, 17, 18, 19, 20A, 20A-1, 20B, 20C, 20D, 20E, 20F, 21, 22A, 22B, 22C, 22D, 22E, 22F, 23A, 23B, 23C, 23D, 23E, 23F, 24A, 24B, 24C, 24D, 24E, 24F, 24G, 24H, 24I, 24J, 25A, 25B, 26A, 26B, 26C, 26D, 27A, 27B, 27C, 27D, 27E, 27F, 27G, 27H, 27I, 27J, 28A, 28B, 29, 30A, 30B, 30C, 31A, 31B, 32, 33, 34A, 34B, 35A, 35B, 36, 37A, 37B, 37C, 37D, 37E, 37F, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52A, 52B, 52C, 52D, 52E, 52F, 52G, 52H, 52I, 52J, 52K, 52L, 52M, 52N, 52O, 52P, 52Q, 52R, 52S, 52T, 52U, 52V, 52W, 52X, 52Y, 52Z, 53A, 53B, 53C, 54A, 54B, 54C, 55A, 55B, 55B-1, 55B-2, 55B-3, 55B-4, 55C, 55C-1, 55C-2, 55C-3, 55D, 56A, 56B, 56C, 56D, 57, 58A, 58B, 58C, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68A, 68B, 69A, 69B, 70A1, 70A2, 70B, 70C, 70D, 70E1, 70E2, 70F, 70G, 70H,

70I, 70J, 70K, 70L, 70M, 70N, 70O, 70P, 70Q, 70R, 71, 72, 73, 74A, 74B, 74C, 74D and 74E, corresponding to the informal drawings submitted with the above-captioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey T. Helvey
Attorney for Applicants
Registration No. 44,757

Date: 11/16/07

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

JTH/agj
332453_1.DOC